

EQUIPMENT

- 1. WATER BATH: (a) Thermostatically controlled to 60°C±1.0°C? (b) At least 152.4 mm (6.0 in) deep? (c) Shelf to support samples 50.8 mm (2 in) off bottom? 2. THERMOMETER: for air and water baths - sensitive to 0.2°C? 3. BREAKING HEAD: as per ASTM dimensions? (a) Proper curvature for top and bottom heads? (b) Sharp (not rounded) shoulders? 4. RING DYNAMOMETER: (or graphical readout) 5. FLOWMETER: graduated to 0.25 mm (0.01in) divisions? 6. LOADING JACK: constant loading rate of 50.8 mm (2 in) per minute? (a) Jack head base plate tight and level on elevating screw? (b) Apparatus calibrated a minimum of every twelve months? 7. Stop Watches: to determine flow if timing method used?.....

PROCEDURE

Preparation:

- 1. Set water bath temperature? 2. Briquettes, after overnight cure, placed in water bath for 30 to 40 minutes? 3. Testing head maintained at 21.1 to 37.8°C? 4. Testing head inside surfaces cleaned? No lubricants allowed on inside surfaces! 5. Testing head guide rods lubricated?

Testing:

- 1. Place briquette in breaking head and position whole assembly on testing machine? 2. Position and zero flowmeter (if used)? 3. Apply load and record maximum load? 4. Record flowmeter reading at maximum load (if used)? 5. Record stopwatch readings at maximum load (if used)? 6. Record micrometer equivalent units (if used)? 7. Elapsed time of maximum 30 seconds observed?

Report: on report form in procedure:

- 1. Stability from chart or conversion? 2. Stability correction using correlation chart? 3. Flow in units of 0.25 mm (0.01 in)?

[Fill in Y for Yes - N for No - NA for not applicable (NOTE: N or NA requires comment)]

COMMENTS: _____

Name of Laboratory: _____ Date: _____
Inspector: _____ Inspection No: _____